

TITLE: Preparation of azole ring-containing phenylcarboxylic acids as lipid formation inhibitors

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PATENT ASSIGNEE(S): Taiho Pharmaceutical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.  
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

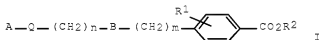
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE         |
|-------------|------|----------|-----------------|--------------|
| JP 11130753 | A    | 19990518 | JP 1997-300384  | 19971031 <-- |
| JP 3694774  | B2   | 20050914 |                 |              |

PRIORITY APPLN. INFO.: JP 1997-300384 19971031

OTHER SOURCE(S): MARPAT 131:5260

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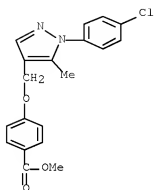
AB The title compds. I [A = lower alkyl, (un)substituted Ph, (un)substituted pyridyl, in which the substituent is halo, lower alkyl, lower alkoxy, alkylamino; Q = imidazolyl, triazolyl, pyrazolyl, thiazolyl which may be substituted with lower alkyl, etc.; B = O, NR<sup>7</sup> (R<sup>7</sup> = H, lower alkyl); R<sup>1</sup> = H, halo, lower alkoxy; R<sup>2</sup> = H, lower alkyl; n = 1, 2; m = 0, 1] or their salts are prepared I or their salts inhibit fatty acid synthesis and cholesterol synthesis and are useful as hypolipemics. A THF solution of 1-(4-chlorophenyl)-5-methyl-4-hydroxymethylpyrazole (preparation given) was treated with SOCl<sub>2</sub> and the resulting 1-(4-chlorophenyl)-5-methyl-4-chloromethylpyrazole was treated with p-HOC<sub>6</sub>H<sub>4</sub>CO<sub>2</sub>Me to give 1-(4-chlorophenyl)-5-methyl-4-(4'-methoxycarbonylphenoxy)methylpyrazole. Similarly prepared 1-phenyl-5-methyl-4-(4'-methoxycarbonylphenoxy)methylpyrazole significantly lowered serum triglycerides and VLDL cholesterol.

IT 225930-55-2P 225930-56-3P 225930-59-6P  
225930-67-6P 225930-68-7P 225930-69-8P  
225930-70-1P 225930-72-3P 225930-73-4P  
225930-74-5P 225930-75-6P 225930-76-7P  
225930-77-8P 225930-78-9P 225930-80-3P  
225930-81-4P 225930-83-5P 225930-83-6P  
225930-84-7P 225930-86-9P 225930-87-0P  
225930-88-1P 225930-90-5P 225930-91-6P  
225930-92-7P 225930-94-9P 225930-95-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of azole ring-containing phenylcarboxylic acids as lipid formation inhibitors)

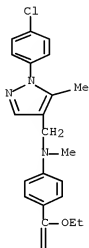
RN 225930-55-2 ZCAPLUS

CN Benzoic acid, 4-[[1-(4-chlorophenyl)-5-methyl-1H-pyrazol-4-yl]methoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 225930-56-3 ZCAPLUS

CN Benzoic acid, 4-[[[1-(4-chlorophenyl)-5-methyl-1H-pyrazol-4-yl]methyl]methylamino]-, ethyl ester (9CI) (CA INDEX NAME)



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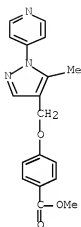
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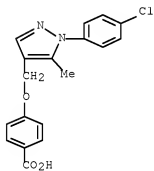
CN Benzoic acid, 4-[[5-methyl-1-(4-pyridinyl)-1H-pyrazol-4-yl]methoxy]-,

methyl ester (9CI) (CA INDEX NAME)



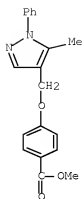
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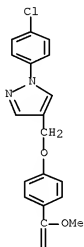
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RN 225930-69-8 ZCAPLUS  
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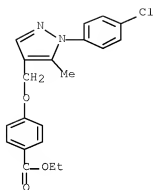
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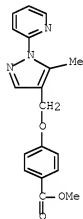
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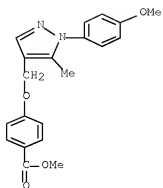
RN 225930-72-3 ZCAPLUS

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methyl ester (9CI) (CA INDEX NAME)



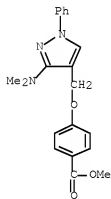
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methyl ester (9CI) (CA INDEX NAME)



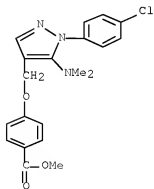
RN 225930-74-5 ZCAPLUS

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RN 225930-75-6 ZCAPLUS

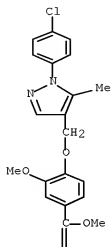
CN Benzoic acid, 4-[[1-(4-chlorophenyl)-5-(dimethylamino)-1H-pyrazol-4-yl]methoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 225930-76-7 ZCAPLUS

CN Benzoic acid, 4-[[1-(4-chlorophenyl)-5-methyl-1H-pyrazol-4-yl]methoxy]-3-methoxy-, methyl ester (9CI) (CA INDEX NAME)

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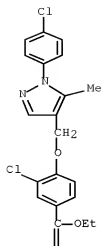


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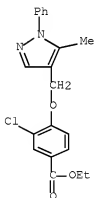
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CN Benzoic acid, 3-chloro-4-[[1-(4-chlorophenyl)-5-methyl-1H-pyrazol-4-yl]methoxy]-, ethyl ester (9CI) (CA INDEX NAME)



RN 225930-78-9 ZCAPLUS

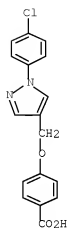
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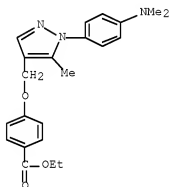
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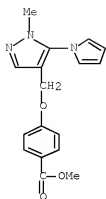
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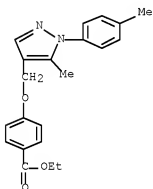
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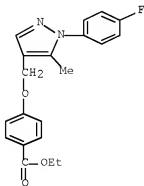
RN 225930-83-6 ZCAPLUS

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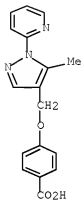
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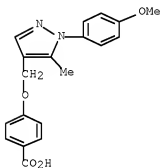
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CN Benzoic acid, 4-[[5-methyl-1-(2-pyridinyl)-1H-pyrazol-4-yl]methoxy]- (9CI)  
(CA INDEX NAME)



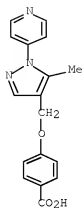
RN 225930-87-0 ZCAPLUS

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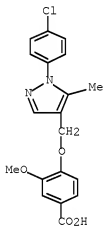
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CN Benzoic acid, 4-[[5-methyl-1-(4-pyridinyl)-1H-pyrazol-4-yl]methoxy]- (9CI)  
(CA INDEX NAME)



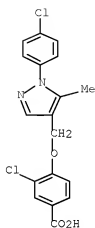
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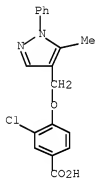
RN 225930-91-6 ZCAPLUS

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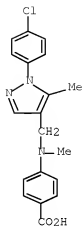
RN 225930-92-7 ZCAPLUS

CN Benzoic acid, 3-chloro-4-[(5-methyl-1-phenyl-1H-pyrazol-4-yl)methoxy]-  
(9CI) (CA INDEX NAME)



RN 225930-94-9 ZCAPLUS

CN Benzoic acid, 4-[[[1-(4-chlorophenyl)-5-methyl-1H-pyrazol-4-yl]methyl]methylamino]- (9CI) (CA INDEX NAME)



RN 225930-95-0 ZCAPLUS

CN Benzoic acid, 4-[[[1-(4-chlorophenyl)-5-methyl-1H-pyrazol-4-yl]methoxy]methyl]- (9CI) (CA INDEX NAME)

